



Sun-Earth Connection:



A New Perspective



Main Areas Of Research

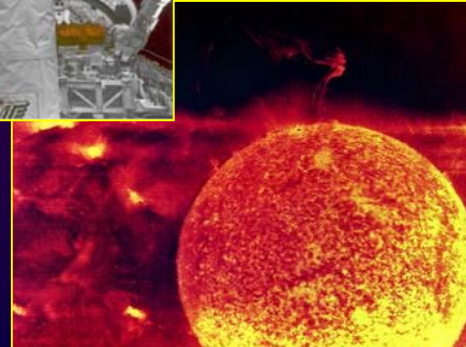
Earth Science



Aerospace Technology



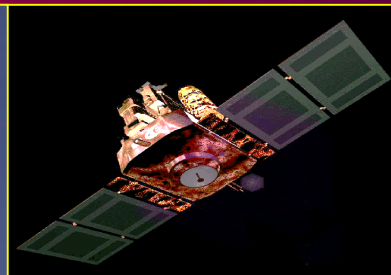
Space Science



Human Exploration And Development Of Space



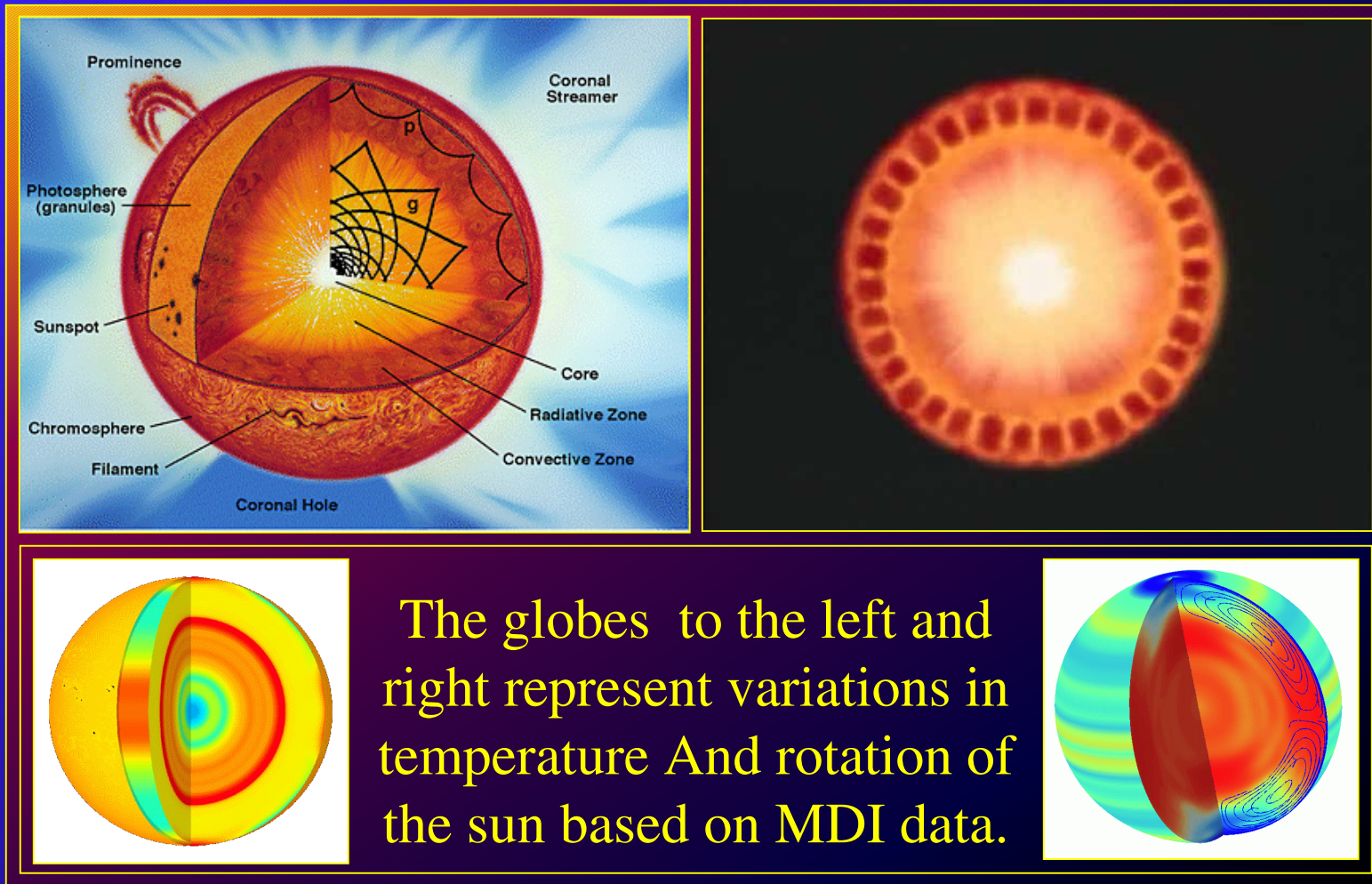
Importance of Space Technology



Better Observation Of The Sun And Earth

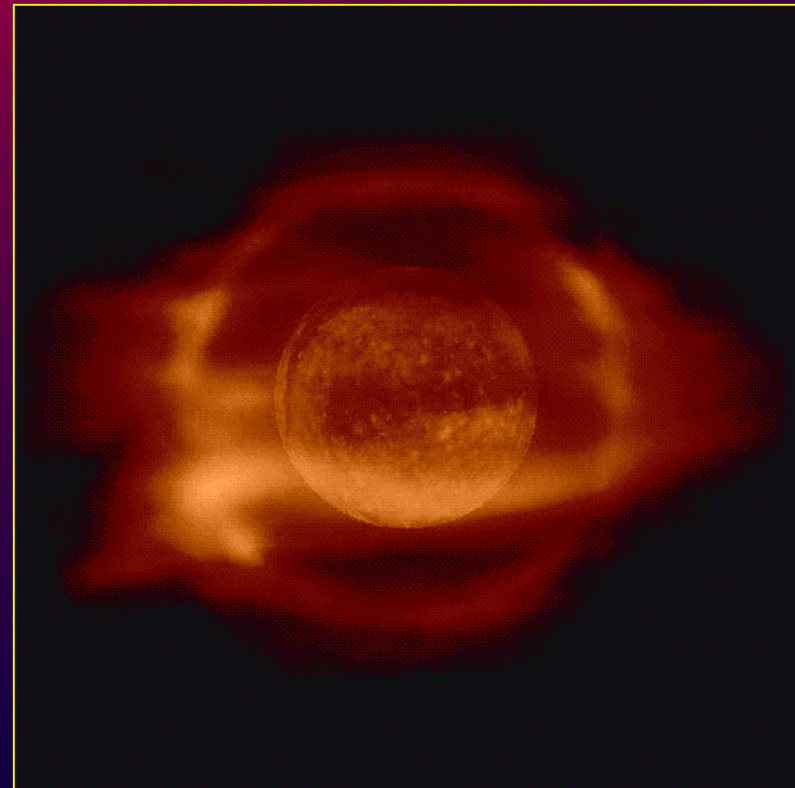
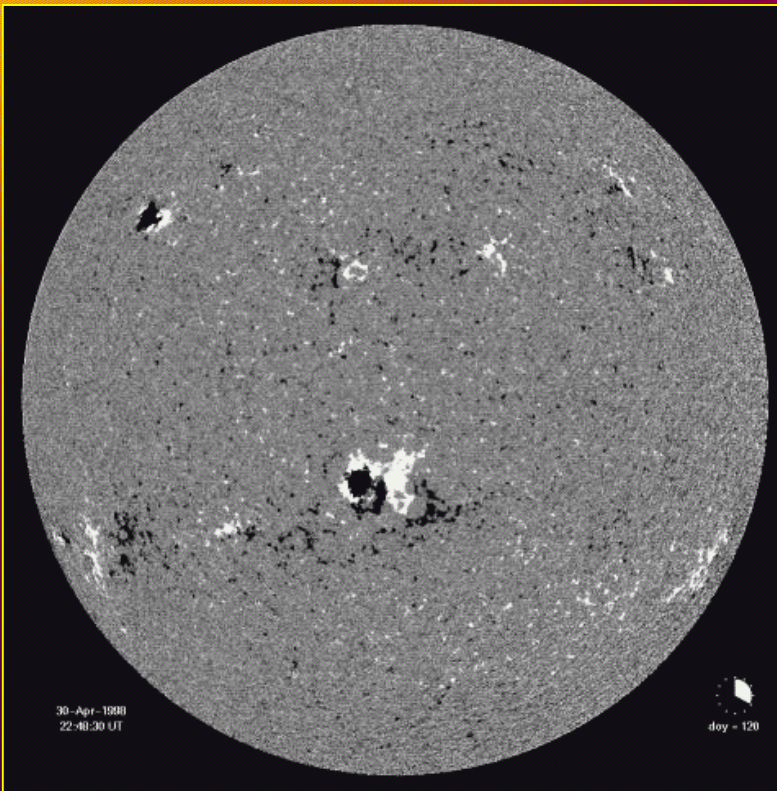


Sun's Internal Structure





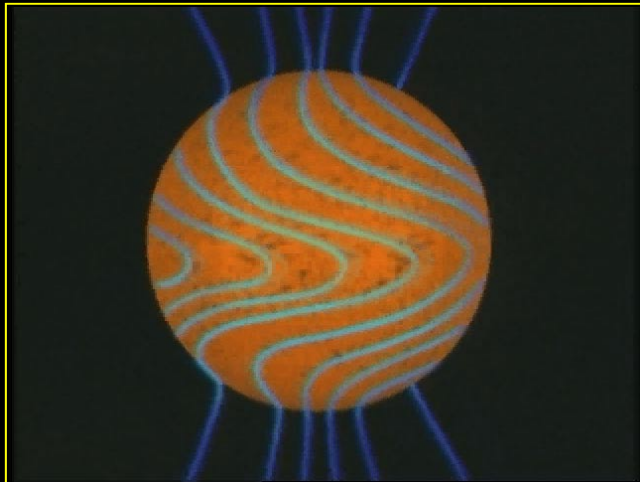
Surface And Atmosphere Of The Sun



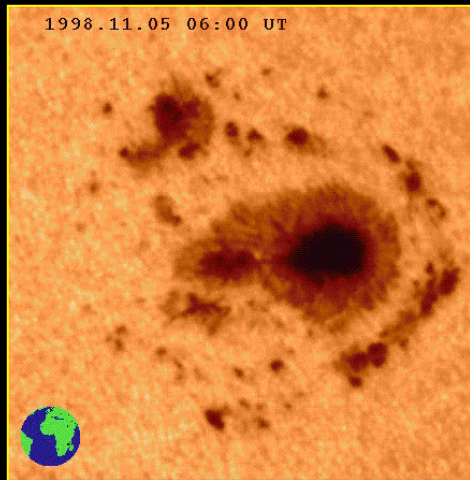


Sunspots

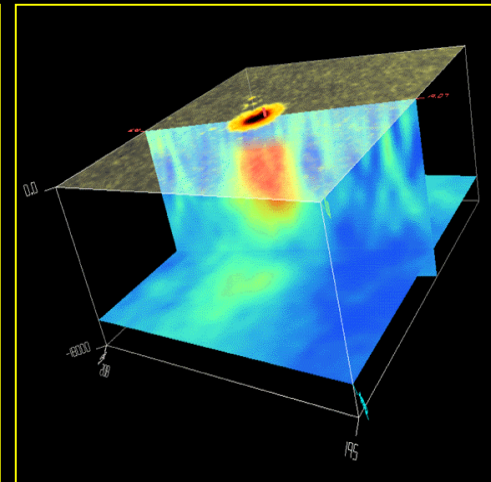
Sun's Magnetic Field



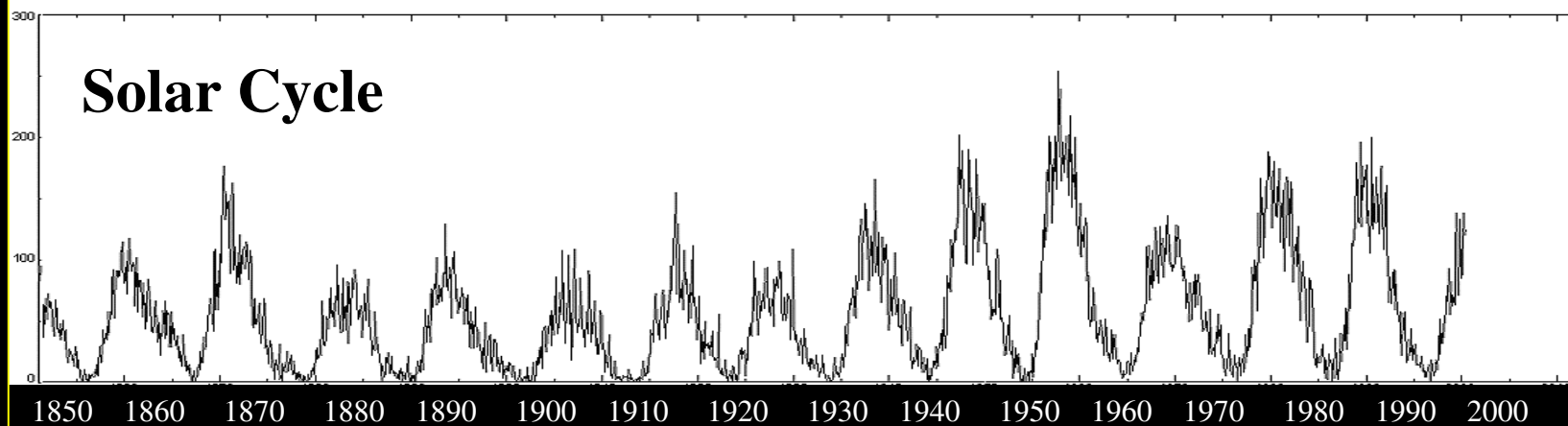
Sunspots



Sunspot Structure

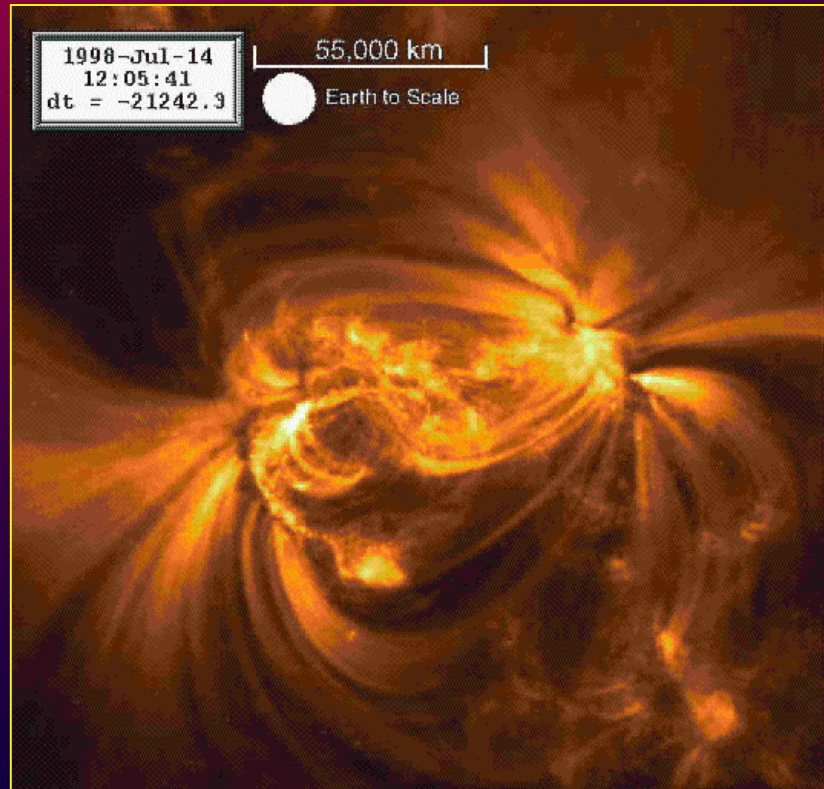
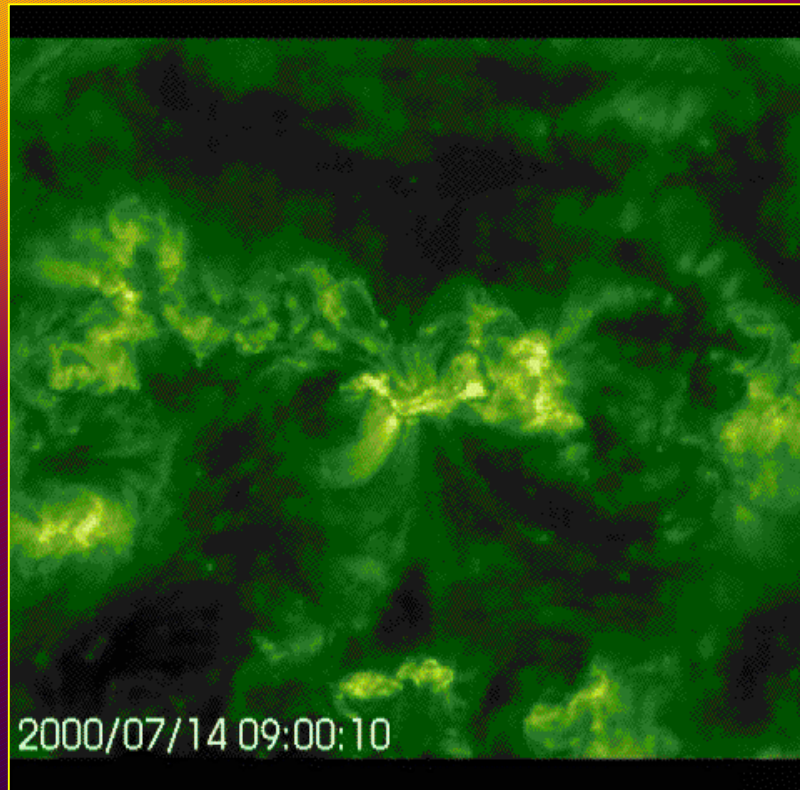


Solar Cycle



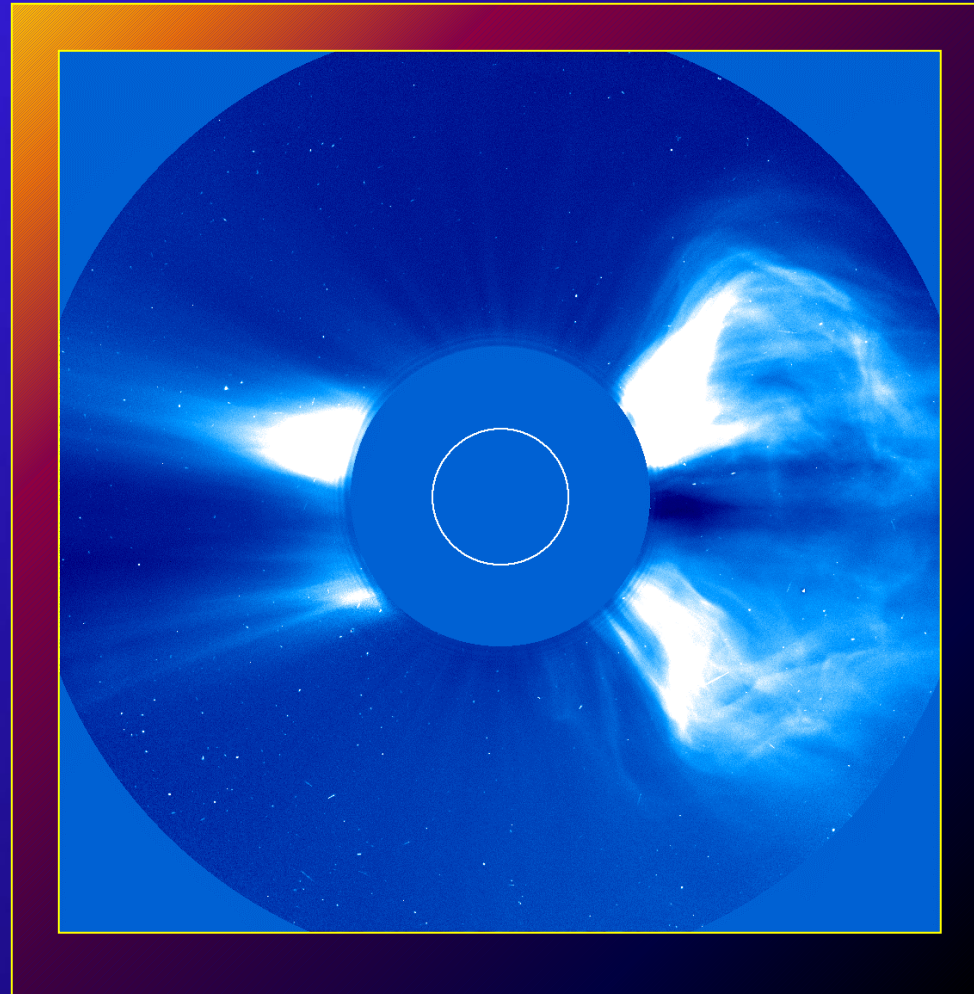


Solar Flares



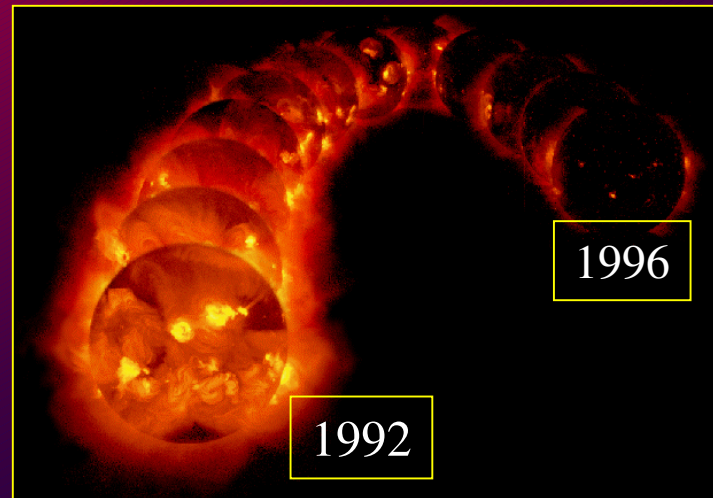
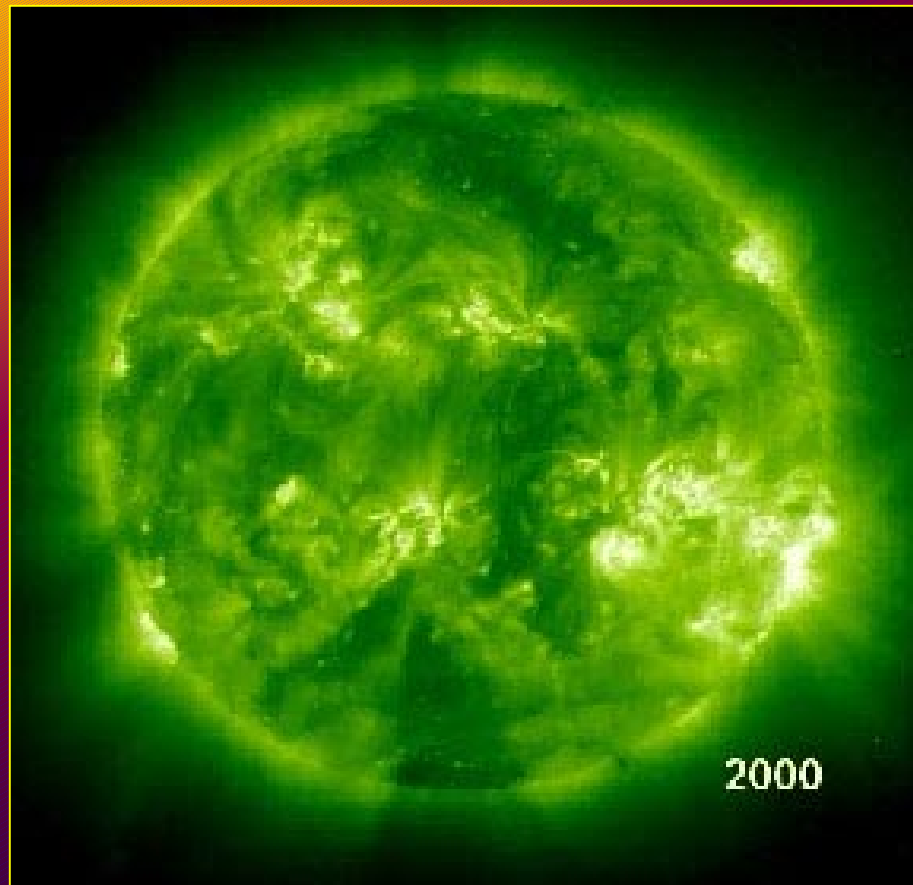


Coronal Mass Ejections



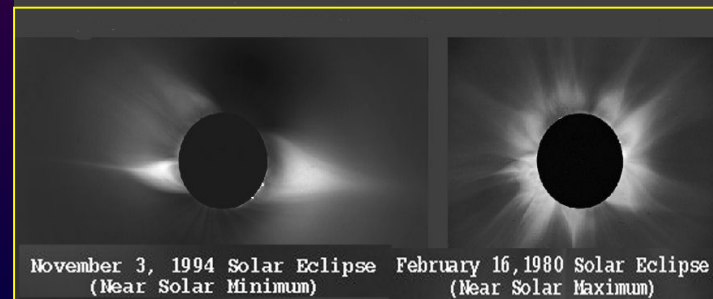


Solar Cycles



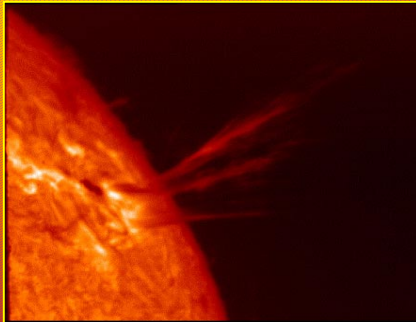
Minimum ▼

Maximum ▼

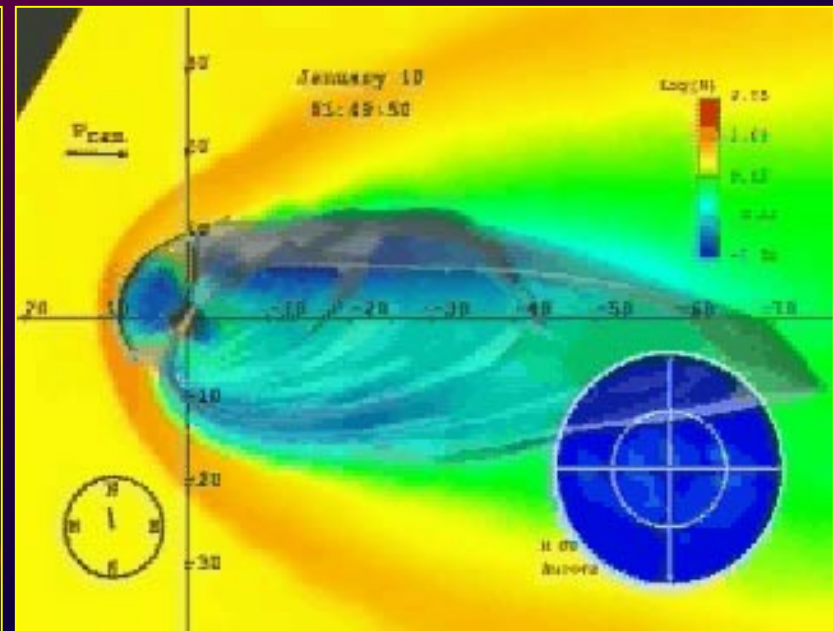
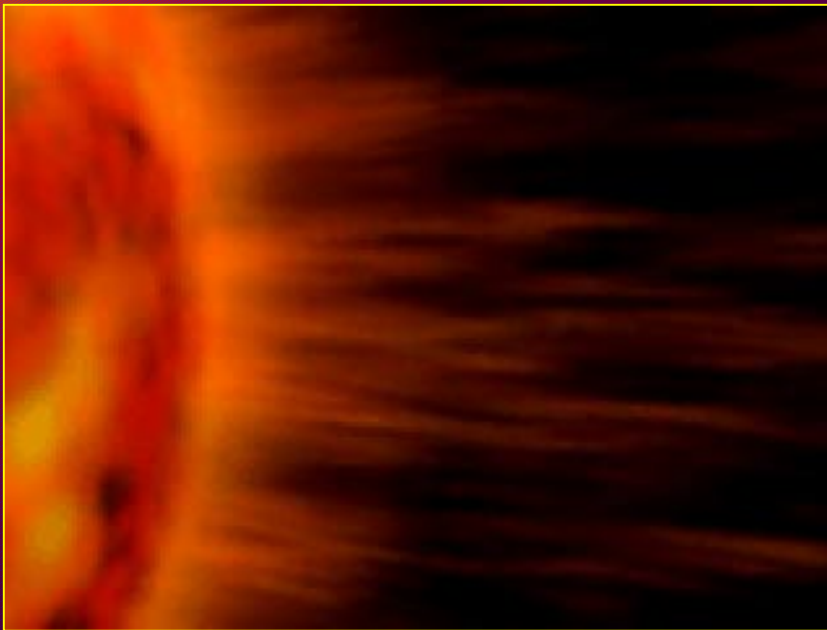
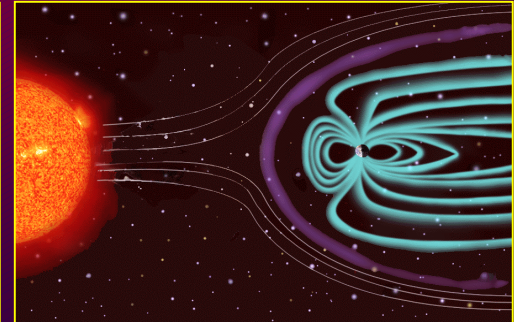




Solar Wind

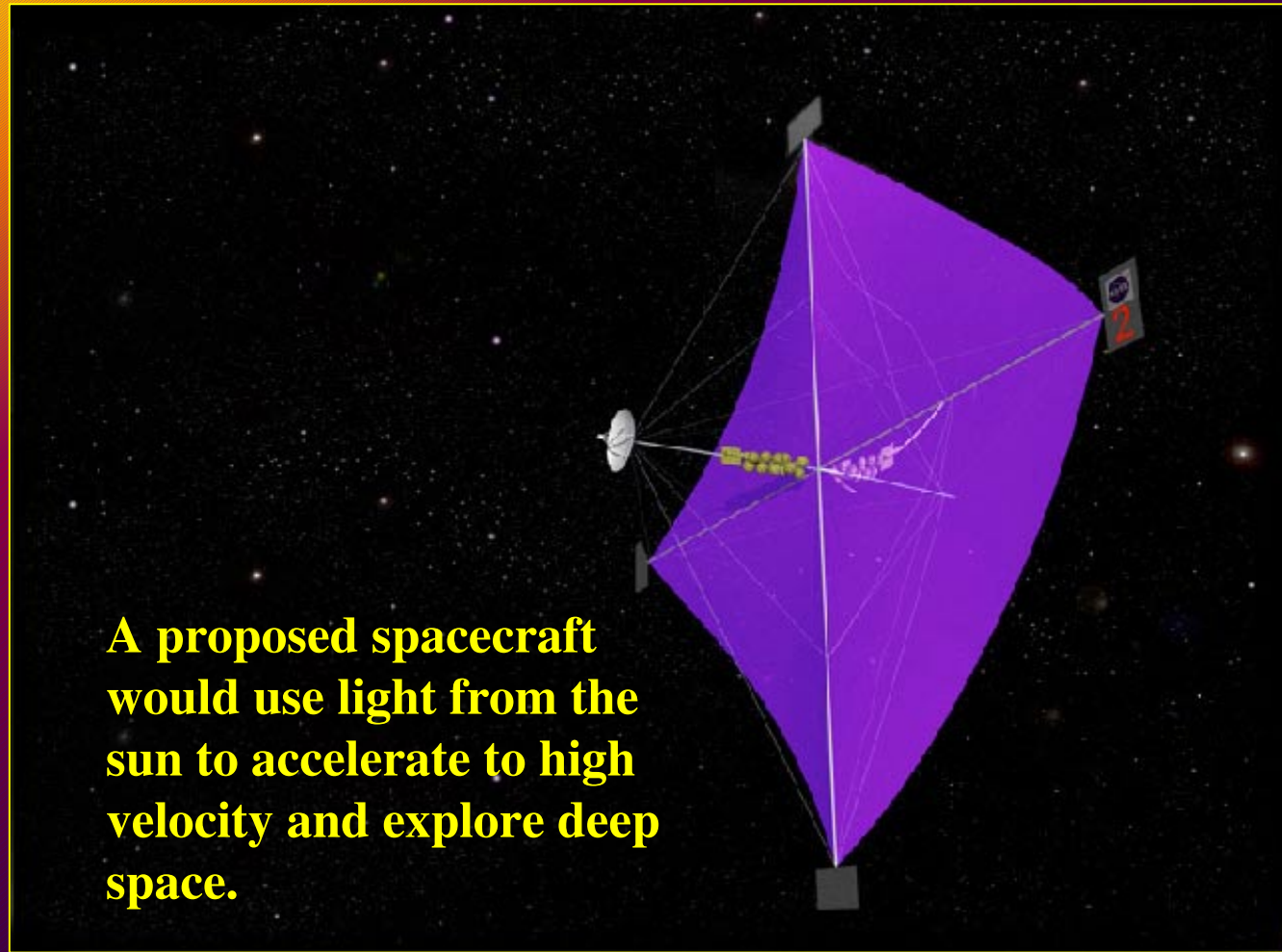


The solar wind consists of plasma that is continually being released from the Sun.





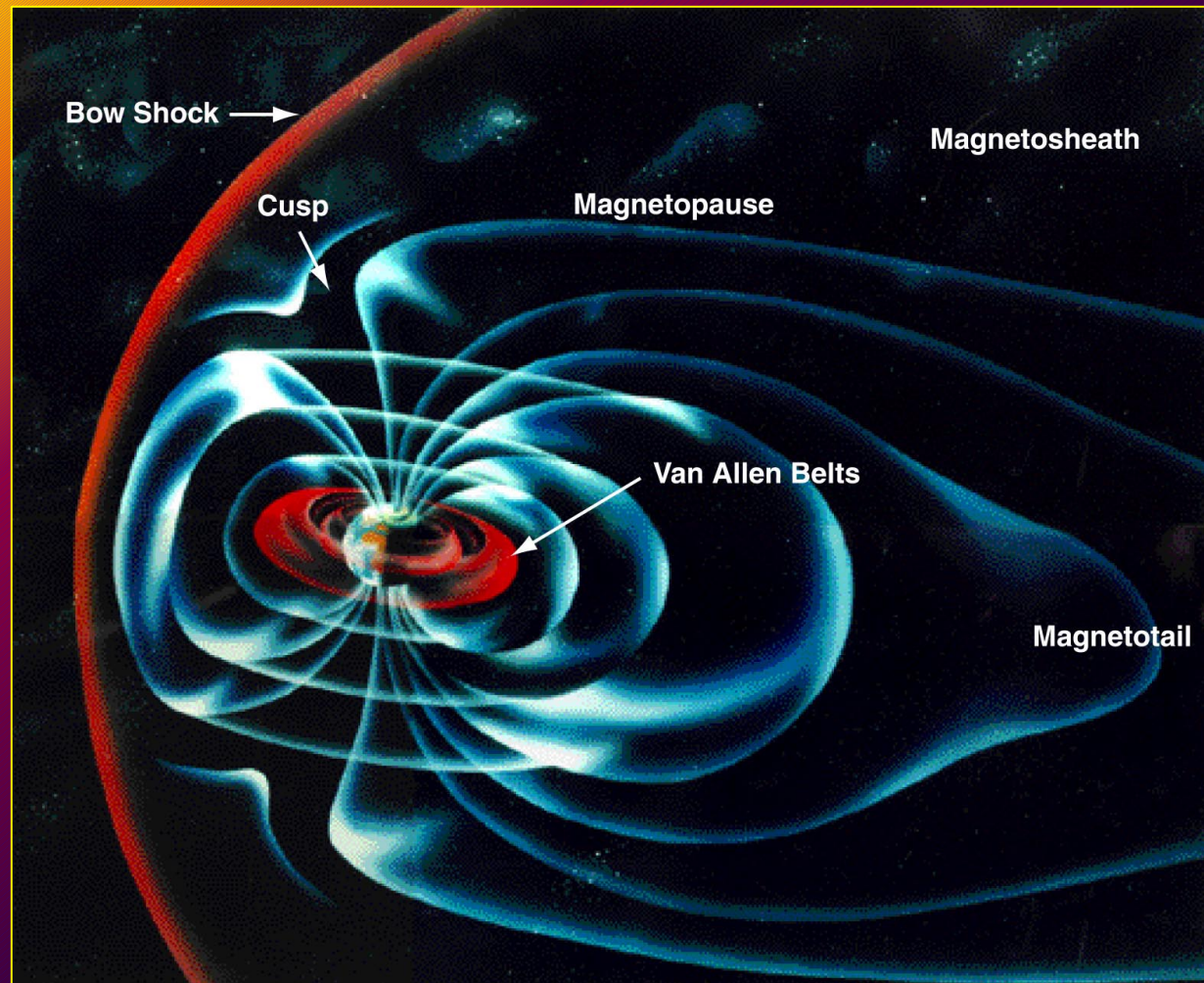
Solar Sail Interstellar Exploration



**A proposed spacecraft
would use light from the
sun to accelerate to high
velocity and explore deep
space.**

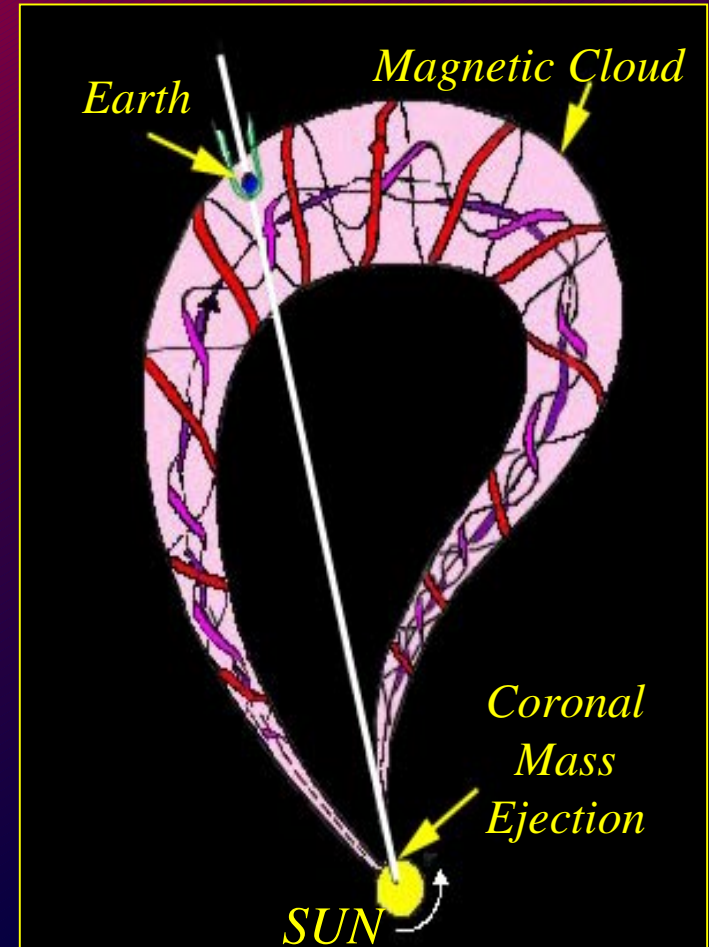
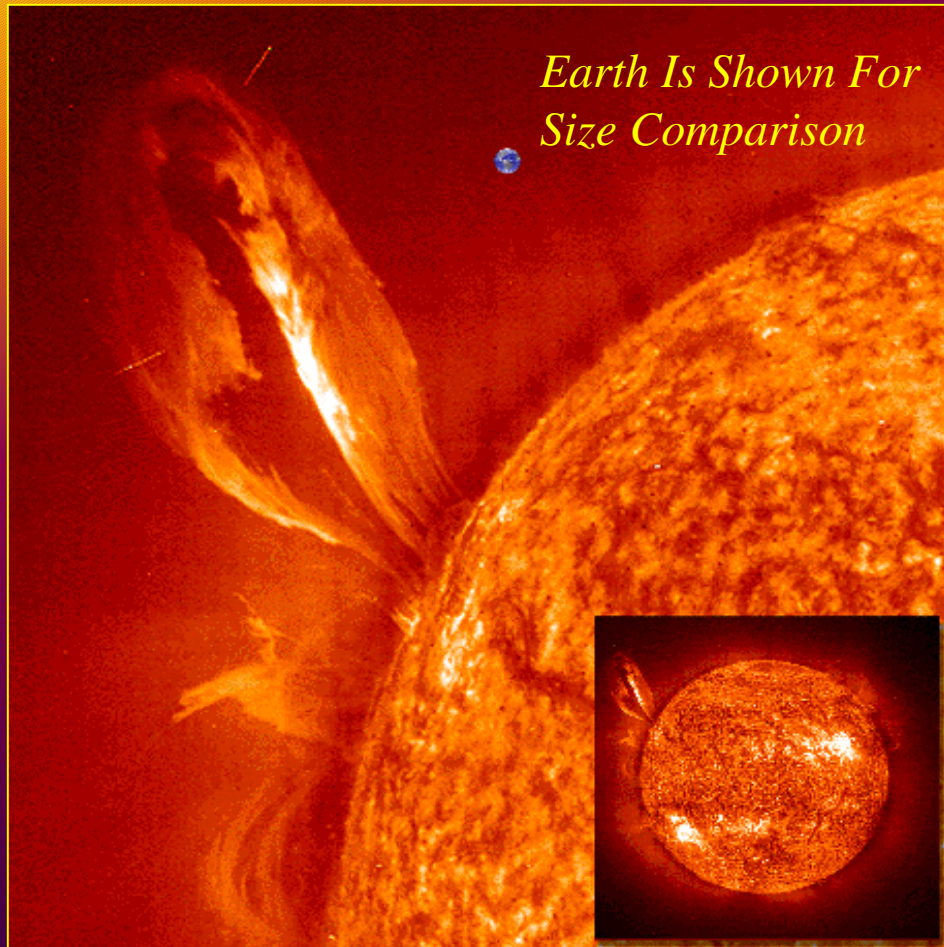


Earth's Magnetosphere





Coronal Mass Ejections: Crossing the Earth's Path



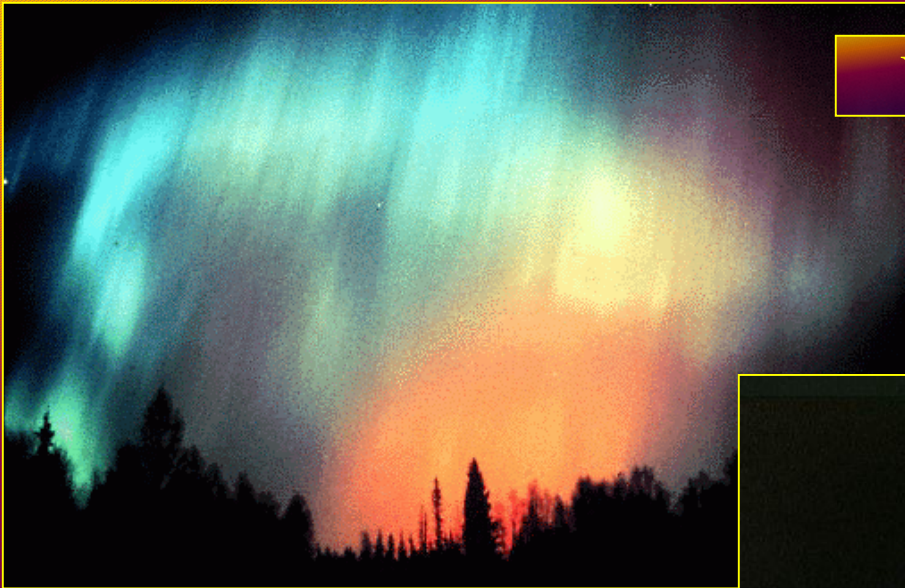


Coronal Mass Ejections: Impact On Earth





Aurora: Points of View



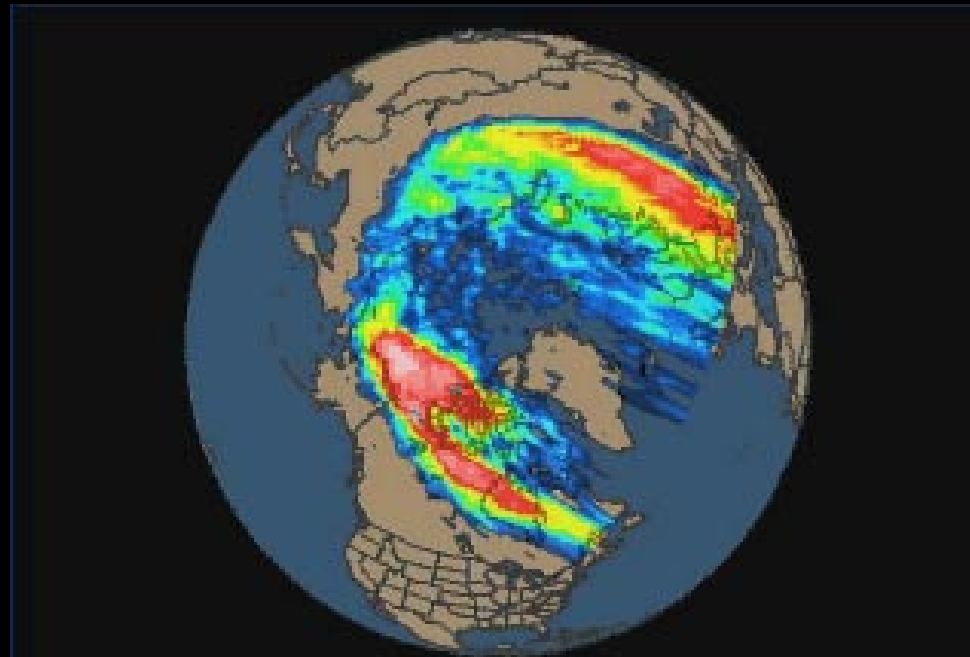
View From Earth



View From Space



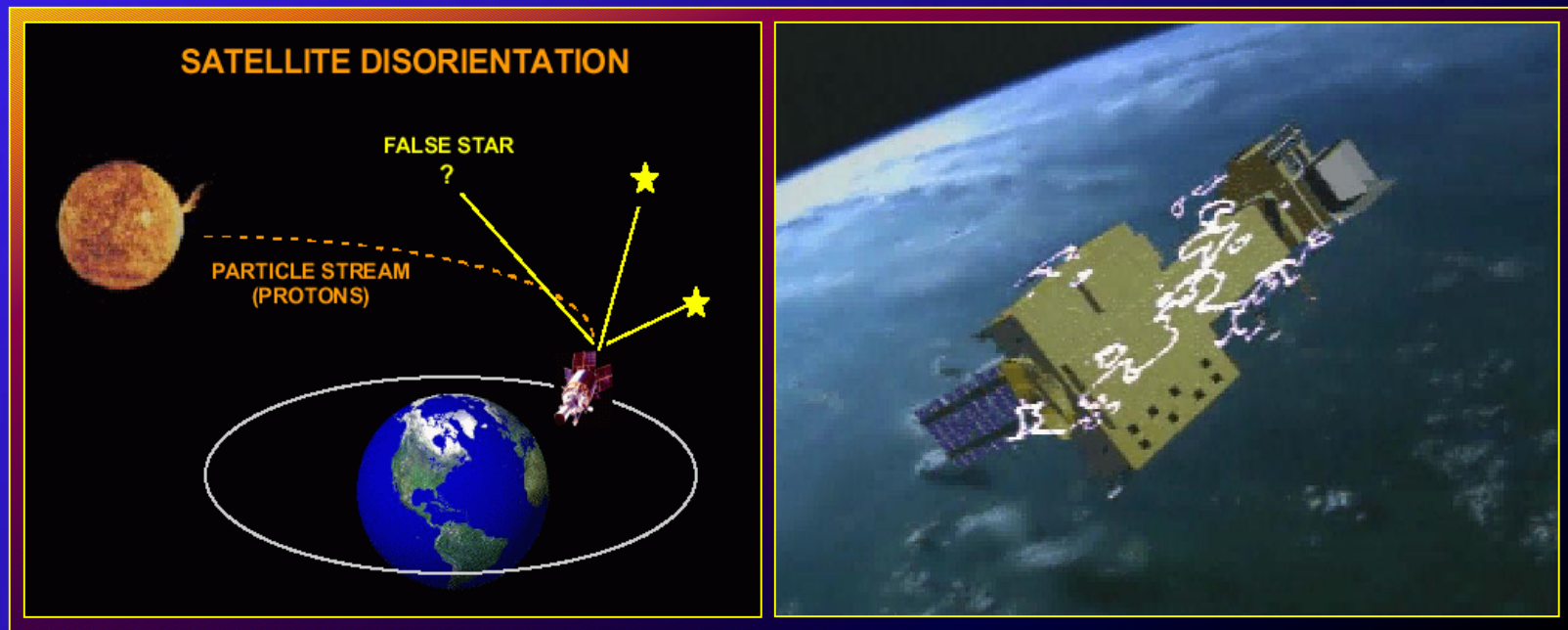
Aurora: Lights in Motion



15 JUL 2000, 19:00



Space Weather : Effects On Orbiting Spacecraft



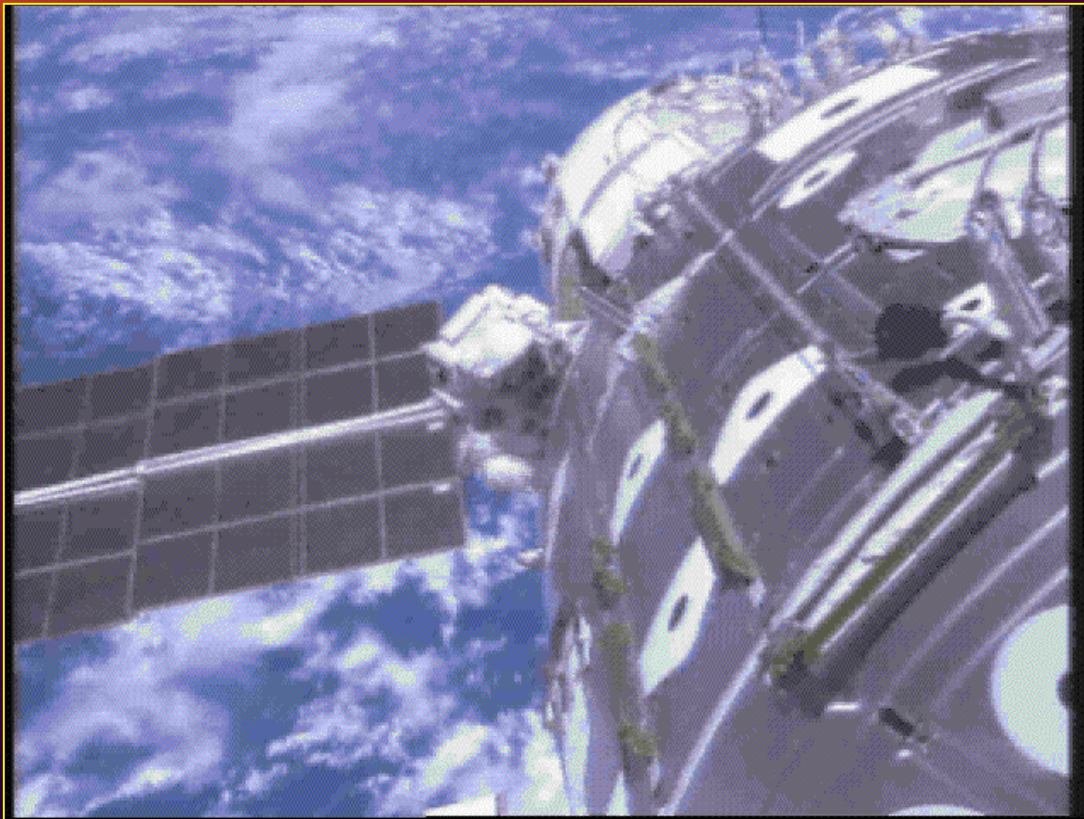


Space Weather : Effects On Satellite Sensors



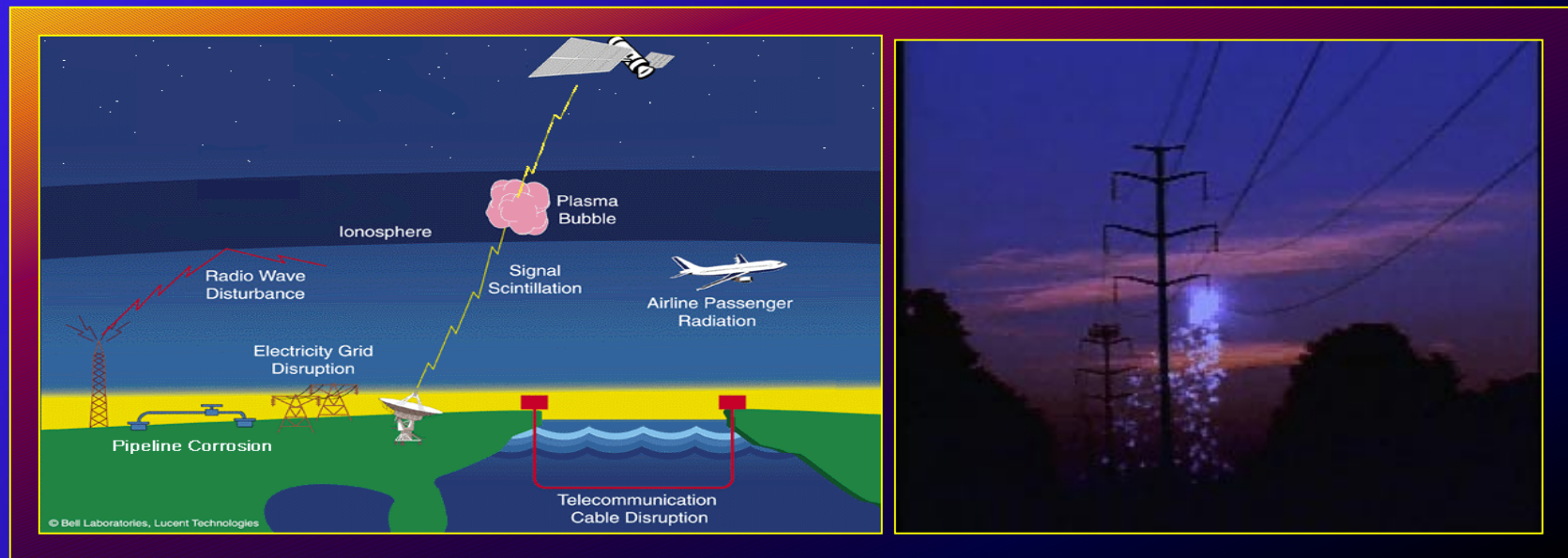


Solar Storms: Effects on Humans in Space





Solar Storms: Effects On Societal Systems





The Sun's Energy: Driver of Earth Weather

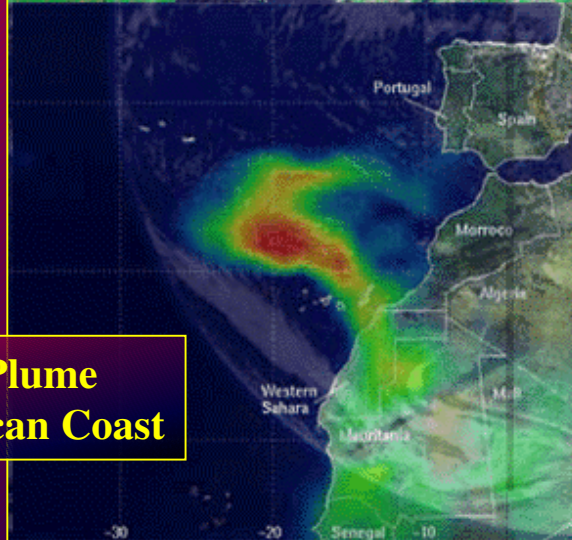
**Water Level In
The Chesapeake Bay**



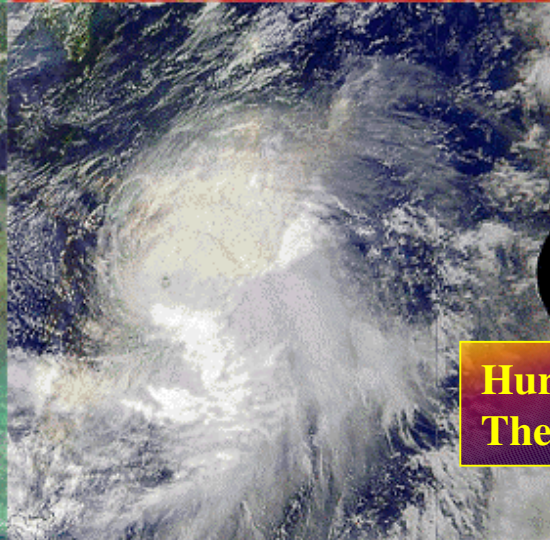
**Infrared Image Of
Atlanta, Georgia**



**Sahara Dust Plume
Off The African Coast**



**Hurricane In
The Atlantic Ocean**





Sun-Earth Connection

